# مصنع دانة لوبريكانتس (ذمم)

## DANA LUBRICANTS FACTORY L.L.C

(A Division of DANA Group)

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ISO9001:2015

Registered company by IIC (No: JU– 11148)

#### **MATERIAL SAFETY DATA SHEET**

#### ENA Anhydrous 99.9%

#### SYNONYMS:

Ethanol, Fermentation Alcohol, Alcohol, Sugarcane Molasses Alcohol

MOLECULAR: C2H5OH

#### USES:

Ethyl alcohol is an important industrial chemical; it is used as a solvent, in the synthesis of other organic chemicals, and also as an additive to motorcar gasoline (forming a mixture known as a gasohol in varying percentages). Ethyl alcohol is also used for scents, flavorings, coloring, inks and medicines.

### PHYSICAL DATA:

Appearance: Colorless, Clear Liquid

Melting point: -144 C Boiling point: 78 C Specific gravity: 0.789 Vapor pressure: 1.59

Flash point: 14 C (closed cup) Explosion limits: 3.3% - 24.5%

### STABILITY:

Stable. Substances to be avoided include strong oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, alkali metals, ammonia and moisture, Forms explosive mixtures with air.

Causes skin and eye irritation. Ingestion can cause nausea, vomiting and inebriation; chronic use can cause serious liver damage. Note "denatured" alcohol has substances added to it which make it unpleasant and possibly hazardous to























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### RISK PHRASES APPLICABLE TO ETHANOL:

R11	Highly flammable
R20	Harmful by inhalation
R21	Harmful on contact with skin
R22	Harmful if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect

### TRANSPORT INFORMATION:

UN No 1170. Packing Group II. Hazard Class 3.0 Flammable liquid having a medium to high degree of hazard associated with transportation.

### PERSONAL PROTECTION:

Safety Glasses, Suitable Ventilation.

# SAFETY PHRASES APPLICABLE TO ETHANOL:

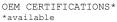
5/	Keep container tightly closed
S16	Keep away from sources of ignition
S24	Avoid contact with skin
S25	Avoid contact with eyes
S36	Wear suitable protective clothing
S37	Wear suitable protective gloves
S39	Wear eye / face protection
S45	In case of accident or if you feel unwell, seek medical advice
	immediately.























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FOR DANA LUBRICANTS FACTORY LLC





















